

CLAIMS

The invention is claimed as follows:

1. A deposition mask that forms a continuous organic layer common to a plurality of organic light emitting devices of a display unit that has a matrix configuration constructed by a plurality of lines and columns associated with the organic light emitting devices on a substrate by deposition, comprising:
 - a body part having one or more stripe-shaped openings to form a continuous organic layer common to at least two lines of the matrix configuration; and
 - one or more protrusions that are provided on the body part wherein the protrusions partly protrude inside the one or more stripe-shaped openings.
2. The deposition mask according to claim 1, wherein the protrusions are provided corresponding to an area between the lines of the organic light emitting devices.
3. The deposition mask according to claim 1, wherein the protrusions are in a shape selected from the group consisting of a semicircle, a semiellipse, and a polygon.
4. The deposition mask according to claim 1, wherein the protrusions are provided as a pair at relative positions on both sides in a width direction of the one or more stripe-shaped openings.
5. The deposition mask according to claim 4, wherein a plurality of pairs of the protrusions are provided corresponding to respective positions between the lines of the organic light emitting devices.
6. The deposition mask according to claim 1, wherein the one or more stripe-shaped openings are formed by any one of etching and electroforming.
7. The deposition mask according to claim 1, wherein the body part includes a material having magnetic characteristics.

8. A method for manufacturing a display unit having a matrix configuration constructed by a plurality of lines and columns of a plurality of organic light emitting devices on a substrate, comprising:

5 forming a plurality of first electrodes in a shape of a matrix corresponding to the respective plurality of organic light emitting devices on the substrate;

forming an insulating film in an area between the lines and columns of the plurality of first electrodes;

10 forming an auxiliary electrode in an area between the lines and columns of the plurality of first electrodes on the insulating film;

forming a continuous organic layer common to at least two of the plurality of first electrodes in a shape of a stripe by deposition, and notch parts at a position corresponding to an area between the lines of the first electrodes of the stripe-shaped continuous organic layer; and

15 forming a second electrode covering a substantially whole area of the substrate after the continuous organic layer having the notch parts is formed, a contact part is formed at the notch parts of the continuous organic layer, and electrically connecting the second electrode and the auxiliary electrode.

20 9. The method for manufacturing a display unit according to claim 8, wherein the continuous organic layer having the notch parts is formed by using a deposition mask comprising a body part having one or more stripe-shaped openings and protrusions provided on the body part that partly protrude inside the opening.

25 10. The method for manufacturing a display unit according to claim 8, wherein the notch parts are formed in a shape selected from the group consisting of a semicircle, a semiellipse, and a polygon.

30 11. The method for manufacturing a display unit according to claim 8, wherein a trunk-shaped auxiliary electrode that becomes a bus line for the auxiliary electrode is formed in a peripheral area of the substrate.

12. A display unit having a matrix configuration constructed by a plurality of lines and columns of a plurality of organic light emitting devices on a substrate, comprising:

5 a plurality of first electrodes provided on the substrate corresponding to the respective plurality of organic light emitting devices;

an insulating film provided in an area between the lines and columns of the plurality of first electrodes;

an auxiliary electrode provided in an area between the lines and columns of the plurality of first electrodes on the surface of the insulating film,

10 a stripe-shaped continuous organic layer, that is provided over at least two lines of a matrix configuration of the plurality of organic light emitting devices in common on the surface of the substrate including the plurality of first electrodes, and that has one or more notch parts on a side wall part corresponding to an area between lines of the plurality of first electrodes; and

15 a second electrode, that substantially covers a whole area of the substrate including the continuous organic layer, and which is electrically connected to the auxiliary electrode through a contact part formed at the notch parts of the continuous organic layer.

20 13. The display unit according to claim 12, wherein the continuous organic layer having the notch parts is formed by using a deposition mask comprising a body part having one or more stripe-shaped openings and protrusions provided on the body part to partly protrude inside the opening.

25 14. The display unit according to claim 12, wherein the notch parts are in a shape selected from the group consisting of a semicircle, a semiellipse, and a polygon.

30 15. The display unit according to claim 12, wherein a trunk-shaped auxiliary electrode that becomes a bus line for the auxiliary electrode is formed in a peripheral area of the substrate.

16. The display unit according to claim 12, wherein the organic light emitting device extracts light generated in the continuous organic layer from the second electrode side.

5 17. The display unit according to claim 12, wherein a sealing substrate is arranged facing to the substrate on a side of the plurality of organic light emitting device of the substrate, and the substrate and the sealing substrate are bonded together over a whole area thereof with an adhesive layer in between.